Quick Start Guide

MST-431 4.3" Modero S Series® Tabletop Touch Panel

Overview

The Modero S Series® is a touch panel family sophisticated enough for room control yet priced right for the most cost sensitive installations, including small huddle spaces and dedicated room scheduling. The smallest of our Modero S tabletop touch panels, the MST-431 4.3" Modero S Series Landscape Table Top Panel (**FG2265-07**), still features the advanced technology empowering users to conduct seamless meetings including VoIP, brilliant 24-bit color depth, PoE connectivity, Bluetooth, USB and streaming video.

FIG. 1 MST-431

Product Specifications

MST-431 Specifications	
Power:	PoE (Power over Ethernet), 802.3af, class 2
Power Consumption:	• *Full-On:* 4W • Typical: 3W • *Standby:* 2W • *Shutdown:* 0.6W • *Startup Inrush Current:* Not Applicable due to PoE standard
Operating Environment:	• *Operating Temperature:* 32° F to 104° F (0° C to 40° C) • *Storage Temperature:* 4° F to 140° F (-20° C to 60° C) • *Humidity Operating:* 20% to 85% RH • *Humidity Storage:* 5% to 85% RH • *Power ("Heat") Dissipation:* On: 13.6 BTU/hr, Standby: 6.8 BTU/hr
Dimensions (HWD):	3.22" x 5.04" x 3.10" (82 mm x 128 mm x 79 mm)
Weight:	0.90 lbs (0.41 Kg)
Certifications:	• UL • FCC Part 15 Class B • C-Tick CISPR 22 Class B • CE EN 55022 Class B and EN 55024 • CE EN 60950-1 • IC CISPR 22 Class B • VCCI CISPR 22 Class B • RoHS/WEEE compliant
Included Accessories:	• USB port cover kit (**FG5968-18**) • CATE5 Ethernet Cable, Flat Black (**ECA2265-10**) • UTP CAT.5E Snap In Coupler, Black (**64-5968-01**)

Note: *For more information on installation and configuration, as well as complete specifications on this device, please refer to the* MST-431/MSD-431-L Operation/Reference Guide*, available at* ***www.amx.com****.*

Note: *Optimal performance requires use of one of the following AMX PoE power supplies (not included):*

- PS-POE-AF-TC, PoE Injector, 802.3AF Compliant (**FG423-83**)
- NXA-ENET8-2POE, Gigabit PoE Ethernet Switch (**FG2178-63**)

Note: *AMX does not support the use of non-AMX power supplies.*

Panel Connectors and Wiring

FIG. 1 shows the connectors located on the back of the MST-431.

Power for the MST-431 via Power Over Ethernet

Power for the MST-431 is supplied via Power Over Ethernet (PoE), utilizing an AMX-certified PoE injector such as the PS-POE-AF-TC PoE Injector (**FG423-83**) or other approved AMX PoE power source. The incoming Ethernet cable should be connected to the RJ45 port on the MST-431.

Configuring the MST-431

The MST-431 is equipped with Settings Pages that allow you to set and configure various features on the panel. For more information on connecting and configuring the MST-431 to a network, please refer to the *Modero S Series Programming Guide*, available at **www.amx.com**.

Accessing the Settings Pages

To access the Settings Pages on the MST-431, press and hold the **Sleep/ Settings** Button (FIG. 1) on the top of the panel for 3 seconds. The user will be prompted to release the button to enter the *Settings* page (FIG. 2).

FIG. 2 *Settings* page

Accessing the Configuration Page

1. From the *Settings* Page, select *Configuration*. If the *Configuration* page is password protected, this opens a password keypad.
2. Enter the panel password into the keypad (the default is ***1988)*** and select **OK** to access the page (FIG. 3).

FIG. 3 *Configuration* page

3. To reboot the panel, press and hold the text under the *Reboot* section for two seconds. To shut down the panel, press and hold the text under the *Shutdown* section for two seconds.

Setting the Panel's Device Number and Device Name

In the *Configuration* page:

1. Press *Panel* to open the *Panel Configuration* page.
2. In the *Device Name* page, ensure that the *Synchronize Device Names* button is not selected, and click it to deselect it if it is.
3. Press *Device Number* to open the Device Number keypad.
4. Enter a unique Device Number assignment for the panel and press **OK.**
5. Press the *Device Name* field to open the Device Name keypad.
6. Enter a unique Device Name assignment for the panel and press **OK**.
7. Click the arrow on the top left of the page once to return to the *Configuration* page and twice to return to the *Settings* page.

Accessing the Connection & Networks Page

1. From the Settings Page, select *Connection & Networks*. If the page is password protected, this opens a password keypad.
2. Enter the panel password into the keypad (the default is ***1988)*** and select **OK** to access the page (FIG. 4).

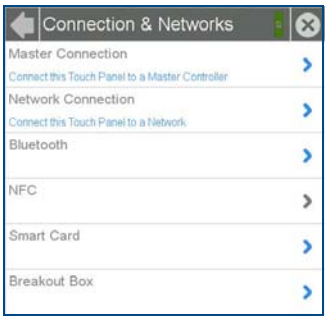

FIG. 4 *Connection & Networks* page

Connecting to a Master

The panel requires that you establish the type of connection you want to make between it and your Master. In the *Connection & Networks* page:

1. Select **Master Connection** to open the *Master Connection* page (FIG. 5).

FIG. 5 *Master Connection* page

2. Press *Mode* to toggle through the available connection modes:

Connection Modes		
Mode	**Description**	**Procedures**
Auto	The device connects to the first master that responds. This setting requires that you set the System Number.	Setting the System Number: 1. Select Master System Number to open the keypad. 2. Set your Master System Number and select **OK**.
URL	The device connects to the specific IP of a master via a TCP connection. This setting requires that you set the Master's IP.	Setting the Master IP: 1. Select the Master IP number to the keyboard. 2. Set your Master IP and select **OK**.
Listen	The device "listens" for the Master to initiate contact. This setting requires you provide the master with the device's IP.	Confirm device IP is on the Master URL list. You can set the Host Name on the device and use it to locate the device on the master. Host Name is particularly useful in the DHCP scenario where the IP address can change.

3. If you have enabled password security on your Master, you need to set the username and password within the device.
   a. Select *Username* to open the Master User keyboard.
   b. Set your Username and select **OK**.
   c. Select the *Password* to open the Master Password keyboard.
   d. Set your Master Password and select **OK**.
   e. Press the **Back** button twice to return to the *Settings* page.

Configuring the Panel to a Network

The first step is to configure the panel's communication parameters. This only configures the panel to communicate with a network, and it is still necessary to tell the panel with which Master it should be communicating.

Network Communication With a DHCP Address

In the *Connection & Networks* page:

1. Select **Network Connection** to open the *Network Connection* page (FIG. 6).

FIG. 6 *Network Connection* page

2. Toggle the *DHCP/Static* field until the choice cycles to *DHCP*. This action causes all fields on the page (other than *Host Name*) to be greyed-out.
3. Select *Host Name* to open the Host Name keyboard. Enter the new host name and click **OK**.

Setting Static IP Information

When using *DHCP* settings for a panel, the DHCP server will automatically populate almost all of the *Network Connections* page fields, with the exception of *Hostname*. When setting the panel for *Static*, however, this information must be entered manually. To enter the network connection information:

1. In *DHCP/Static*, press the field until the entry reads "Static". This enables all of the editable *Network Connections* page fields.
2. Select the *IP Address* field to open the *Wired IP Address* keypad (FIG. 7).

FIG. 7 *Wired IP Address* keyboard

3. Enter the server's IP address and click **OK**.
4. Repeat this procedure with the other fields on the *Network Connections* page.
5. When finished, the new connection information will be visible in the *Network Connections* page.

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